

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An audio device comprising:

a receiving unit configured to receive an analog speech signal representing a spoken message[[,]];

a converter configured to convert the analog speech signal into a digital speech signal ~~comprising~~ having at least one speech signal fundamental frequency[[,]];

a storage unit configured to store a set of coded data representing a musical score comprising a [[set]] plurality of notes, each of the plurality of notes being defined by a note fundamental frequency, a duration, and an instrument that plays the note[[,]];

an extracting unit configured to extract a digital music signal from the set of coded data[[,]]; and

a mixer configured to replace the at least one speech signal fundamental frequency of the digital speech signal with the note fundamental

~~frequency for each of the plurality of notes of the musical score~~ combine a first portion of the digital speech signal and a first portion of the digital music signal to produce a combined digital signal.

2. (Currently Amended) The audio device claimed in claim 1, ~~wherein the mixer comprises further comprising~~ a digital signal processor ~~comprising the mixer~~.

3. (Canceled)

4. (Currently Amended) The audio device claimed in claim [[3]] 1 wherein the at least one speech signal fundamental frequency of the digital speech signal is replaced [[by]] with the note fundamental frequency for each note of the plurality of notes of the musical score ~~associated with the note of the music signal~~ during a period substantially equal to the duration of each respective one of the plurality of notes of the musical score.

5. (Currently Amended) The audio device claimed in claim 1 further comprising a signal summing unit configured to add to the combined digital signal a ~~second~~ portion of the digital speech signal.

6. (Currently Amended) The audio device claimed in claim 1 further comprising a signal summing unit configured to add to the combined digital signal a ~~second~~ portion of the digital music signal.

7. (Currently Amended) The audio device claimed in claim 1 wherein the mixer is further configured to replace at least one harmonic frequency of the fundamental frequency of the digital speech signal with a harmonic frequency of the note fundamental frequency for each of the plurality of notes of the musical score ~~associated with a note of the musical signal.~~

8. (Previously Presented) The audio device claimed in claim 1 further comprising a discriminator configured to discriminate a consonant from a vowel in the digital speech signal and to activate the mixer during the detection of the vowel.

9. (Previously Presented) The audio device claimed in claim 1 further comprising a voice activity detector configured to control the mixer.

10. (Previously Presented) The audio device claimed in claim 1 further

comprising a vocoder configured to code the combined digital signal.

11. (Currently Amended) A telecommunication terminal comprising:

a receiving unit configured to receive an analog speech signal[.];

a converter configured to convert the analog speech signal into a digital speech signal comprising at least one speech fundamental frequency[.];

a storage unit configured to store a set of coded data representing a musical score comprising a [[set]] plurality of notes, each of the plurality of notes being defined by a note fundamental frequency, a duration, and an instrument that plays the note[.];

an extracting unit configured to extract a digital music signal from the set of coded data[.]; and

a mixer configured to replace the at least one speech signal fundamental frequency of the digital speech signal with the note fundamental frequency for each of the plurality of notes of the musical score ~~combine a first portion of the digital speech signal and a first portion of the digital music signal to~~ produce a combined digital signal.

12. (Previously Presented) The telecommunication terminal claimed in

claim 11 further comprising a transmitter configured to transmit the combined digital signal to another terminal in real time.

13. (Currently Amended) The telecommunication terminal claimed in claim 11, ~~wherein the mixer comprises further comprising~~ a digital signal processor ~~comprising the mixer.~~

14. (Canceled)

15. (Currently Amended) The telecommunication terminal claimed in claim [[14]] 11 wherein the at least one speech signal fundamental frequency of the digital speech signal is replaced [[by]] with the note fundamental frequency for each note of the plurality of notes of the musical score ~~associated with the note of the music signal~~ during a period substantially equal to the duration of each respective one of the plurality of notes of the musical score.

16. (Currently Amended) The audio device claimed in claim 11 further comprising a signal summing unit configured to add to the combined digital signal a ~~second~~ portion of the digital speech signal.

17. (Currently Amended) The audio device claimed in claim 11 further comprising a signal summing unit configured to add to the combined digital signal a ~~second~~ portion of the digital music signal.

18. (Currently Amended) The telecommunication terminal claimed in claim 11 wherein the mixer is further configured to replace at least one harmonic frequency of the fundamental frequency of the digital speech signal with a harmonic frequency of the note fundamental frequency for each of the plurality of notes of the musical score associated with a note of the musical signal.

19. (Previously Presented) The telecommunication terminal claimed in claim 11 further comprising a discriminator configured to discriminate a consonant from a vowel in the digital speech signal and to activate the mixer during the detection of the vowel.

20. (Previously Presented) The telecommunication terminal claimed in claim 11 further comprising a voice activity detector configured to control the mixer.

21. (Previously Presented) The telecommunication terminal claimed in claim 11 further comprising a vocoder configured to code the combined digital signal.

22. (New) An apparatus comprising:
means for receiving an analog speech signal representing a spoken message;
means for converting the analog speech signal into a digital speech signal having at least one speech signal fundamental frequency;
means for storing a set of coded data representing a musical score comprising a plurality of notes, each of the plurality of notes being defined by a note fundamental frequency, a duration, and an instrument that plays the note;
means for extracting a digital music signal from the set of coded data; and
means for replacing the at least one speech signal fundamental frequency of the digital speech signal with the note fundamental frequency for each of the plurality of notes of the musical score to produce a combined digital signal.

23. (New) The apparatus of claim 22, wherein the apparatus is a communication terminal.